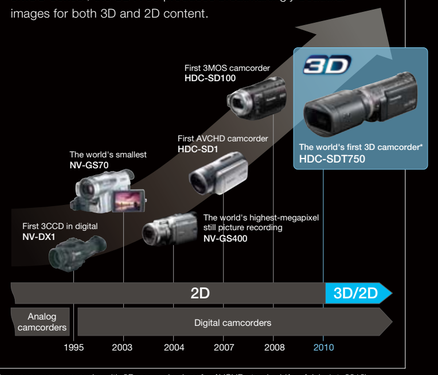
Specifications [HDC-SDT750]

GENERAL		
Power Supply (Battery / AC Adapter)		DC7.2V / 9.3V
Power Consumption		Max. 6.0W (Recording)
Weight (w/o Battery)		approx. 375g
Dimension (W x H x D)		66 x 69 x 138 [mm]
Media		SD/SDHC/SDXC Memory Card
IMAGE SENSOR		
Image Sensor		1/4.1-type MOS x 3 (For Europe) 1/4.1" MOS x 3 (For Asia)
Total Pixels		9.15 megapixels (3.05 megapixels x 3)
Effective Pixels	Motion Image	7.59 megapixels (2.53 megapixels x 3) [16:9]
	Still Image	7.89 megapixels (2.63 megapixels x 3) [3:2] 7.59 megapixels (2.53 megapixels x 3) [16:9] 6.96 megapixels (2.32 megapixels x 3) [4:3]
LENS SECTION		
Lens Brand		Leica Dicomar Lens
F Value		F1.5(WIDE) / 2.8(TELE)
Optical Zoom		12x
Focal Length		3.45-41.4mm
35mm Film camera Equivalent	Motion Image	35.0-420mm (16:9)
	Still Image	35.7-428mm (3:2), 35.0-420mm (16:9), 38.8-466mm (4:3)
Filter Diameter		46mm
CAMERA SECTION		
Standard Illumination		1400 lx
Minimum Illumination		1.6 lx (1/25 Low Light scene mode) 1 lx (Color Night View)
Image Stabilizer		HYBRID O.I.S. [Optical Image Stabilizer]
Focus		Auto / Manual
White Balance		Auto / Indoor1 / Indoor2 / Sunny / Cloudy / White set
Shutter Speed	Motion Image	[50i / 50p] Auto Slow Shutter ON: 1/25-1/8000, video flash: 1/25-1/500 OFF: 1/50-1/8000, video flash: 1/50-1/500 [25P] Auto Slow Shutter ON: 1/25-1/8000, video flash: 1/25-1/5 OFF: 1/50-1/8000, video flash: 1/50-1/500
	Still Image	1/2-1/2000, video flash: 1/2-1/500
Iris		Auto / Manual
Zoom	Intelligent Zoom	18x
	Digital Zoom	30x / 700x (The maximum value of zoom magnification)
Backlight Compensation		Yes
MONITOR		
EVF		Yes
Monitor (LCD)		7.6cm (3.0") Wide LCD (230,400 dots) (For Europe) 3.0" Wide LCD (230,400 dots) (For Asia)
STILL IMAGE SECTION		
Recording Format		JPEG
Recording Image Size	Still Picture	14.2 megapixels (4608 x 3072), 8.6 megapixels (3600 x 2400), 5.5 megapixels (2880 x 1920) [3:2] 13.3 megapixels (4864x2736), 8.3 megapixels (3840 x 2160), 5.3 megapixels (3072 x 1728) [16:9] 12.2 megapixels (4032 x 3024), 7.7 megapixels (3200 x 2400), 4.9 megapixels (2560 x 1920), 0.3 megapixels (640 x 480) [4:3]
	Simultaneous Recording	13.3 megapixels (4864 x 2736), 8.3 megapixels (3840 x 2160), 2.1 megapixels (1920x1080) [16:9]
	Creating still picture from motion picture	2.1 megapixels (1920 x 1080) [16:9]
Flash		Yes
DPOF		Max. 999 images
RECORDING SECTION		
Signal System		1080 / 50p, 1080 / 50i
Compression (Recording Format)		1080 / 50p : MPEG-4 AVC/H.264 (original format) HA / HG / HX / HE : MPEG-4 AVC/H.264 (AVCHD standard compliant)
Recording / Playback Mode		1080 / 50p (28Mbps / VBR) , (1920 x 1080) HA (17Mbps / VBR) , (1920 x 1080) HG (13Mbps / VBR) , (1920 x 1080) HX (9Mbps / VBR) , (1920 x 1080) HE (5Mbps / VBR) , (1920 x 1080)
Audio Compression		Dolby Digital (5.1ch / 2ch)
Microphone		5.1ch Surround, Zoom and Focus Microphone
Speaker		Dynamic type
Media Remaining Indication		Yes
INTERFACES		
HDMI		Yes (mini)
Microphones (stereo mini)		Yes
Headphone (stereo mini)		Yes
USB		2.0 Hi-Speed
AV multi		Yes
OTHERS		
Accessory Shoe		Yes (Cold)
STANDARD ACCESSORIES		
AC Adaptor		Yes
AC Cable		Yes
DC Cable		Yes
Rechargeable Battery Pack		min. 1250 mAh / Lithium-Ion
HDMI Cable (mini)		Yes
AV multi Cable		Yes
IR Remote		Yes
Shoe adaptor		Yes
USB Cable		Yes
Included Software		HD Writer AE 2.6T
Lens hood		Yes
Stylus Pen		Yes

3D Conversion Lens (VW-CLT1)	Yes
GENERAL	
Weight (w/o Lens Cap)	approx. 195g
Dimension (W x H x D)	78 x 59 x 97 [mm]
LENS SECTION (When attached with the 750 series)	
F Value	F3.2
Focal Length	2.5mm
35mm Film camera Equivalent	58mm (16:9) [Motion Image]
Minimum Illumination	28 lx (1/25)
STANDARD ACCESSORIES	
Lens Front Cap	Yes
Lens Rear Cap	Yes
Lens Pouch	Yes

The history of Panasonic camcorders using three sensors

Panasonic leads the industry in camcorder technologies that use three sensors to achieve true-to-life color images. With its advanced 3MOS Sensor, the SDT750 produces breathtakingly beautiful images for both 3D and 2D content.



*As a consumer camcorder with 3D conversion lens for AVCHD standard (As of July 1st, 2010)

AVCHD

• AVCHD is a new standard for recording HD signals onto memory cards, DVD discs, and hard disks. It uses the H.264 standard to achieve more than twice the compression of conventional MPEG-2 and MPEG-4 standards. • AVCHD motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard. • Do not insert a disc containing AVCHD-recorded images into a device that does not support the AVCHD standard. The disc cannot be played on such a device, and it may not be possible to remove the disc once inserted.

Panasonic®

www.panasonic.com/camcorders

Panasonic
ideas for life

HDC-SDT750

The World's First* 3D Camcorder Debut

3D

*As a consumer camcorder with 3D conversion lens for AVCHD standard (As of July 1st, 2010)

Now, you can

SAVE

your memories in 3D.

Everyone wants to save precious memories just as they saw them. The SDT750 does exactly that, thanks to 3D evolution. In the same way that you view the world through two eyes, 3D conversion lens captures subjects with two lenses, making it easy for anyone to shoot in 3D without all the equipment that professional systems required.

Now, you can

ENJOY

your memories in 3D.

The days when 3D was limited to movies and special attractions are over. Now you can turn your living room into a 3D theater by viewing the images that you've recorded with the SDT750 on a VIERA 3DTV.* Enjoy those special memories with family and friends in crisp, vivid images complete with true-to-life 3D realism.

*A TV that is capable of 3D playback using the side-by-side method, 3D Eyewear, and HDMI cable connection are required for playing the 3D images you have recorded.

3D

Remove the 3D conversion lens for even more high-quality image fun

Even when it's removed, you still enjoy a wealth of advanced functions, like the popular 3MOS system with its newly improved noise reduction technologies, 1080/50p recording, the new HYBRID O.I.S. and other iA (Intelligent Auto) functions, plus lots of manual control functions.

*The TV screen here is an illustration.

Step into the 3D World. Now It's Your Turn.

Get ready to shift from passive viewing to active shooting!
Panasonic camcorders have come this far.

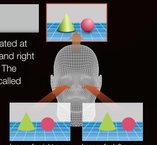
The trend toward 3D is one of the rapid developments shaping the future of AV equipment.
Panasonic, which has continued to lead this development with its advanced technologies,
has now unveiled another new epoch in the field of camcorders.
Whereas, until now, you could only enjoy professionally recorded 3D titles,
the SDT750 lets everybody shoot their own 3D images.
It's like a dream come true! And you can be one of the first to step into this brand new world.

It captures your subject just like the human eyes, to reproduce truly powerful, lifelike 3D images.

*The TV screen here is an illustration.

How do the human perceive 3-dimentional images?

Because the left and right eyes are located at different positions on the face, the left and right eyes perceive slightly different images. The difference between the two images is called "visual disparity." The brain processes these two images with visual disparity to reconstruct spatial conditions, enabling us to see things with three-dimensional depth.



Shooting

Images for the right and left eyes (each with 960 x 1080 pixels) are simultaneously recorded through two lenses, using a 3D conversion lens that artificially reproduces the phenomenon of visual disparity.

Playback

The TV alternately reproduces the left and right images, which are viewed through 3D Eyewear. To play back 3D videos, simply insert an SD Memory Card in the slot of a Panasonic VIERA 3DTV or use an HDMI mini cable to connect the camcorder to a VIERA 3DTV or a side-by-side method compatible 3D TV*.

3D IMAGE VIEWER

*For connection details, see the explanation at the far right side of this page.

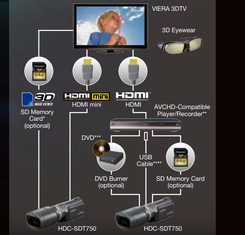
Editing and archiving

The included HD Writer AE 2.6T editing software can be used to easily change sequences and delete unwanted scenes on a PC, in the same way as for 2D data. Also, 3D data can be easily saved onto SD Memory Cards, DVDs or Blu-ray Discs.

*When converting 3D data to MPEG-2 and saving it on a DVD, only the left-side 2D image is saved.

Connection for 3D video playback

To play back 3D videos, simply insert an SD Memory Card in the slot of a Panasonic VIERA 3DTV*. Or you can use an HDMI mini cable to connect the camcorder to a VIERA 3DTV or another 3D TV that is compatible with the side-by-side method. Playback is also possible through an AVCHD-compatible player/recorder.**



*Some models of VIERA 3DTV may require a firmware update to play 3D images from an SD card. For details, please visit http://panasonic.net/avc/viera/3d/eu.html
**If the player/recorder is not 3D compatible, you need to set the 3D mode on the TV manually. ***DVD (AVCHD) data cannot be played back by the recorder. ****To play the content with a recorder, the data must be copied to an HDD.

Connection for 3D video archiving

Recorded 3D data can be saved onto a DVD by simply connecting the SDT750 to an optional DVD burner with a USB cable and pressing a button. You can also use an AVCHD-compatible recorder to save data onto a Blu-ray Disc™ or DVD.

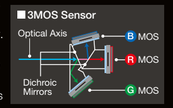
*To burn the content onto a BD/DVD, the data must be copied to an HDD.

Enjoy high image quality and superb creativity even with the 3D conversion lens removed

Captures stunning low-light scenes.

Advanced 3MOS System

To maximize the beauty of Full-HD 1920 x 1080, 50 progressive recording, Panasonic further refined its globally acclaimed 3MOS System. The Advanced 3MOS System combines the 3MOS Sensor, Leica Dicomar Lens, and Crystal Engine PRO, and incorporates noise reduction technologies that are a step above those of our conventional noise reduction systems. The 3MOS Sensor, with its three-sensor configuration, provides a resolution of 7.59 million effective motion image pixels (2.53 million x 3). The 3MOS Sensor splits the light information captured by the lens into the three primary colors - red, green and blue - and processes each color with its own individual sensor. This reduces light loss compared to the 1MOS sensor, and renders colors, details and gradation all with intricate detail and natural beauty. The results are spectacular. Images shot in bright conditions are even more vibrant and detailed. And in dim lighting, you can capture clear, sharp images with minimal noise and vivid colors. See for yourself how Panasonic technology brings out the best in Full-HD image quality.




Noisy, faded colors and overall darkness.


Vivid cake and presents, and a bright tone all over.


Dull grass and complexion.


Bright, natural grass and a healthy complexion.

High-density, ultra-smooth images.

1080/50p Recording (Full-HD 1920 x 1080, 50 Progressive Recording)*

The SDT750 uses the progressive method to record twice as much image data as the interlace method. Whereas interlacing requires two images to produce a complete picture, the progressive method records a single image as a complete picture. Plus, the 50 Progressive Recording of the SDT750 produces 50 images per second. This extremely dense image information creates intricate detail and silky smooth motion. Even when subjects move quickly, afterimages are minimized to create more natural images.

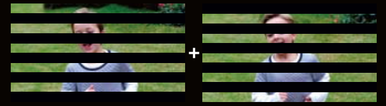
*Not available when the 3D conversion lens is attached.
**Progressive scanning refers to the 1080/50p (50 pictures per second) recording format.

■ Progressive Scanning

Reproduces all of the image data in a single picture. Patterns in fabric are crisp and clear, with no color bleeding.

■ Interlace Scanning

Only half of the image data is reproduced in each picture. Fabric patterns run together, and moiré patterns appears.



Makes optimal settings automatically.

iA (Intelligent Auto)*

This powerful function senses the shooting conditions and automatically makes the settings and activates functions that will deliver optimal results. The iA lets you forget about bothersome settings and makes it easy to capture beautiful, well-focused images.

*Not available when the 3D conversion lens is attached.
•The functions included in iA may not be applied when conditions do not call for them.

Suppresses even the slightest hand-shake.

HYBRID O.I.S.* (Optical Image Stabilizer)

HYBRID O.I.S. corrects hand-shake blurring by combining the action of its hybrid optical and electrical image stabilizer systems. Even when zooming, where hand-shake often occurs, both optical and electrical hand-shake correction make it possible to record beautiful images with approximately 2 times** the hand-shake suppressing effect as conventional models.

*Normal O.I.S. works when the 3D conversion lens is attached.
**Compared with the HDC-SD700, HDC-TM700, HDC-HS700.

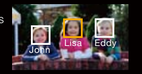

Blurry image.


Clear image even when zooming.

Recognizes important people's faces and captures them beautifully.

Face Recognition

The Face Recognition function recognizes the faces of registered subjects, and automatically optimizes the focus and exposure for those special people.



Locks on a subject and tracks it.

AF/AE Tracking


If the subject moves, the camcorder follows, maintaining a sharp focus and proper exposure.

Face Detection


Captures faces beautifully even in backlit scenes.

Intelligent Contrast Control


Helps suppress blown highlights and retains natural contrast.

Intelligent Scene Selector


Detects the situation and switches the scene mode automatically.

Intricate details from Intelligent Resolution Technology.

Crystal Engine PRO

The new Crystal Engine PRO instantly processes the huge amount of data that goes into Full-HD images, and further enhances Full-HD quality. It produces smooth, high-resolution zoom shots even when the range exceeds the limit for optical zooming. Crystal Engine PRO clearly delineates even the tiniest details of your subject, with extremely natural beauty. New noise reduction (NR) technology minimizes noise when recording in low lighting conditions, while Intelligent Resolution Technology ensures sharp, bright, beautifully colored motion images.


Without Intelligent Resolution Technology


With Intelligent Resolution Technology

A bright, high-performance lens.

Leica Dicomar Lens

The SDT750 uses Leica Dicomar lenses, which are renowned for their ability to render sharp images and excellent shading. They also suppress ghosting, flare, and distortion at the image edges. Even in strong sunlight, these superb lenses maintain high contrast and resolution. A bright new F1.5-F2.8 lens with a 46mm filter diameter has been created for the SDT750. Efficient light collection allows the new lens to capture bright, clear images even in dim lighting or at high shutter speeds. This high-end lens brings out all the beauty of Full-HD images.

Not enough light with an F1.8 lens and high shutter speed.

Plenty of light for a bright image with an F1.5 lens even at a high shutter speed.

Captures large groups, even when shooting from up close.

35mm Wide-Angle Lens*

The 35mm wide-angle lens* on the SDT750 fits more people and more of the background into the frame than a conventional 44.9mm lens. This is especially handy when you want to take a group photo in a small room.

*35mm camera equivalent. (58mm (35mm camera equivalent) when 3D conversion lens is attached).

Not everyone can fit in the frame.

With the wide-angle lens, everyone fits.

Beautiful zoom shots of distant subjects.

Intelligent 18x Zoom*

The SDT750 features a 12x optical zoom and an Intelligent Zoom function that goes all the way up to 18x. When using Intelligent Zoom, Intelligent Resolution Technology lets you shoot at high zoom rates while preserving image sharpness. You get crisp images of highly detailed objects - without the blurry edges.

*Not available when the 3D conversion lens is attached.


1x　Optical 12x　Intelligent 18x

Craft images with intuitive ease.

Manual Ring*

The manual ring gives you easy, fingertip control over the focus, zoom, exposure, shutter speed and white balance settings. You'll find using the ring a much more intuitive, comfortable, user-friendly process than accessing a menu screen. With the manual ring and manual operation, the SDT750 is a pleasure to use and gives you the freedom to craft unusually expressive images.

*Only white balance setting is available when the 3D conversion lens is attached.

Capturing voices over a wide area for a more life-like sound

5.1-Channel Surround Sound System & Zoom Mic*

The SDT750 is equipped with five electret condenser microphones. The center mic helps capture the sound source and distance accurately, so you get a more 3-dimensional effect than you get with conventional systems, which capture all sounds from the front. You get a realistic sound space that's a perfect match with the true-to-life HD images.

*Not available when the 3D conversion lens is attached.